

Posttest

If you wish to receive continuing education credit for this program, you must complete this posttest. Each question below contains five suggested answers, of which one or more is correct. **Circle all correct answers on the answer sheet.**

26. Which of the following puts a person at increased risk for toluene's adverse effects?

- A. Asthma.
- B. Diabetes mellitus.
- C. Chronic obstructive pulmonary disease.
- D. Chronic ethanol consumption.
- E. Dieting.

27. Which of the following are important potential sources of toluene exposure?

- A. Combustion of plastics.
- B. Shallow domestic wells in rural areas.
- C. Meat preservatives.
- D. A variety of household products including paints and adhesives.
- E. Ambient air, particularly in areas with heavy traffic.

28. Which of the following statements about toluene are true?

- A. Toluene can be detected in blood within 1 hour after a significant inhalation exposure.
- B. Dermal absorption of toluene is more rapid than absorption by inhalation.
- C. Toluene accumulates in adipose tissue.
- D. Hippuric acid is the major metabolite of toluene.
- E. Some absorbed toluene is exhaled unchanged.

29. The common physiologic effects of toluene can include

- A. profound and rapid depression of bone marrow.
- B. central nervous system depression and narcosis.
- C. coronary artery vasospasm.
- D. irritation of the eyes, skin, and mucous membranes.
- E. respiratory tract irritation.

30. Some less common physiologic effects reported in toluene abusers include

- A. distal renal tubular acidosis.
- B. hyperthyroidism.
- C. elevation of fasting blood sugar.
- D. cardiac dysrhythmias.
- E. blepharospasm.

31. Which of the following tests can be used to document exposure to toluene?

- A. Urinary hippuric acid.
- B. Toluene in venous blood.
- C. Hippuric acid in blood.
- D. Fasting blood sugar.
- E. Cytoplasmic phosphokinase.

32. Clinical effects associated with toluene exposure include

- A. double vision.
- B. coronary artery disease.
- C. bladder cancer.
- D. headache.
- E. lightheadedness.

33. Which of the following might be used to treat patients with an inhalation overexposure to toluene?

- A. One hundred percent oxygen.
- B. Methylene blue.
- C. Amyl nitrite.
- D. Bronchodilators.
- E. Soluble iron compounds.

Note to Nurses

CDC is accredited by the American Nurses Credentialing Center's (ANCC) Commission on Accreditation. ANCC credit is accepted by most State Boards of Nursing.

California nurses should write in "ANCC - Self-Study" for this course when applying for relicensure. A provider number is **not** needed.

Iowa nurses must be granted special approval from the Iowa Board of Nursing. Call 515-281-4823 or e-mail marmago@bon.state.ia.us to obtain the necessary application.